

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

~~Claim 1.~~ (Currently amended)[[:]] ~~Blood~~ A blood treatment ~~equipment unit~~ comprising

a blood treatment device ~~(1) which~~ that is part of an extracorporeal blood circulatory system,

~~comprising~~ actuators ~~(6, 8, 22, 23, 24)~~ in at least one of the extracorporeal blood circulatory system ~~and/or in further~~ and another fluid circulatory ~~systems~~ system,

~~comprising~~ a control unit ~~(30)~~ for controlling the actuators ~~(6, 8, 22, 23, 24)~~, and

~~comprising~~ a display and input unit ~~(32)~~ ~~comprising~~ including a touch screen ~~(33)~~ connected to the control unit ~~(30)~~,

~~wherein~~ the display and input unit ~~(32)~~ ~~comprises various~~ including a plurality of mode means ~~(40) in order to be able to~~ that show various time modes of a blood treatment on the touch screen, ~~(33) wherein~~ the mode means ~~(40)~~ are being selectable by an operator via the touch screen ~~(33)~~ and being arranged with respect to one another in order of their occurrence in time, and including at least one blood treatment preparation means, one

blood treatment means, and one blood treatment after-preparation means, and

~~wherein the control unit (30) is suitable for identifying~~
being configured to (i) identify the respectively running time mode and ~~instructing~~ to instruct the display and input unit (32) to show the corresponding mode means selected from the other mode means, by showing the other mode means in a first type of symbol and the selected mode means in a second type of symbol,

~~characterised in~~

~~that the control unit (30) is furthermore suited to~~
~~establishing the~~ and (ii) establish an end of at least ~~of~~ one of ~~the time mode modes~~ in order to automatically initiate ~~the a~~ beginning of ~~the a~~ subsequent time mode and to ~~communicating this~~ communicate the initiation of the time mode to the display and input unit (32) for changing the representation of the selected mode means.

~~Claim 2-3.~~ (Canceled)

~~Claim 4.~~ (Currently amended) ~~[[:]]~~ The blood treatment ~~equipment~~ unit according to claim 3 1, ~~characterised in that~~ wherein the blood treatment means (42) on the touch screen (33) has a larger area than the ~~other~~ blood treatment preparation mode means (41a, 41b, 43a, 43b) and the blood treatment after-preparation means.

~~Claim 5.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 2 1, ~~characterised in that~~ wherein the
mode means ~~(40)~~ are represented ~~in the form of~~ as a cell at one
edge of the touch screen ~~(33)~~ and ~~the~~ a remaining area of the
touch screen ~~is suitable for representing further~~ represents at
least one of other output ~~and/or~~ means and input means.

~~Claim 6.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 1, ~~characterised in that~~ wherein the
touch screen ~~(33)~~ has a display area ~~(50)~~ on which the display
and input unit ~~(32)~~ represents ~~various~~ at least one of an output
~~and/or~~ means and an input means ~~(55, 56, 57, 58, 59)~~ depending on
the time mode.

~~Claim 7.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 3 1, ~~characterised in that~~ wherein the
blood treatment ~~equipment~~ device is a haemodialysis device.

~~Claim 8.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 7, ~~characterised in that~~ wherein the at
least one blood treatment preparation means ~~comprises~~ includes
mode means each for a blood system mode ~~(41a)~~ and a preparation
mode ~~(41b)~~.

~~Claim 9.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 7, ~~characterised in that~~ wherein the at
least one blood after-preparation means ~~comprises~~ includes mode
means each for a re-infusion mode ~~(43a)~~ and a purification mode
~~(43b)~~.

~~Claim 10.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 1, ~~characterised in that~~ wherein the
control unit ~~(30)~~ is suitable for instructing instructs the
display and input unit ~~(32)~~ to represent individual mode means in
a third type of symbol according to the running time mode and to
deactivate ~~its~~ an input function associated therewith.

~~Claim 11.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 1, ~~characterised in that~~ wherein the
display and input unit ~~(32)~~ is suitable for displaying displays
the mode means ~~(40)~~ in all of the time modes at ~~the~~ a same point
of the touch screen ~~(33)~~.

~~Claim 12.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 1, ~~characterised in that the blood~~
~~treatment equipment comprises~~ further comprising a plurality of
sensors, ~~(9, 10, 11, 12)~~ and wherein the control unit ~~(30)~~ is
~~suitable for evaluating the~~ evaluates measured values of the
sensors in order to determine the end of a time mode.

~~Claim 13.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 12, ~~characterised in that wherein~~ the
~~sensor is~~ sensors include at least one of a blood detector ~~and/or~~
and an air detector ~~(9)~~ in the extracorporeal circulatory system.

~~Claim 14.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 12, ~~characterised in that wherein~~ the
~~sensor is~~ sensors include a detector ~~(12), which determines to~~
determine the presence of correctly mounted components of the
extracorporeal circulatory system.

~~Claim 15.~~ (Currently amended)[[:]] The blood treatment ~~equipment~~
unit according to claim 1, ~~characterised in that wherein~~ the
control unit ~~is suitable for determining the~~ determines a
quantity of fluid conveyed by a controlled pump ~~(6, 22, 23)~~ at a
certain time in order to use ~~this~~ the quantity value to determine
the end of a time mode.

16. (New) A blood treatment unit comprising:

a blood treatment device that is part of an extracorporeal
blood circulatory system;

a plurality of actuators in at least one of the
extracorporeal blood circulatory system and another fluid
circulatory system;

a control unit to control the actuators; and

a display and input unit having a touch screen for input, the display and input unit being in communication with the control unit,

the display and input unit including a plurality of mode touch screen areas that display modes of the blood treatment on the touch screen, the mode touch screen areas being selectable by an operator and being arranged sequentially on the touch screen in order of their occurrence in time during the blood treatment, and including at least one of the mode touch screen areas for each of a blood treatment preparation mode, a blood treatment mode, and blood treatment post-preparation mode, and

the control unit being configured to

- (i) identify which of the modes is operating and to instruct the display and input unit to display on the touch screen the corresponding mode touch screen area, the display and input unit showing the operating mode by a first type of symbol and showing non-operating modes by a second type of symbol, and
- (ii) establish an end of at least one of the modes in order to automatically initiate a beginning of a subsequent mode and to communicate the initiation of the subsequent mode to the display and input unit for changing the representation of the operating mode.

17. (New) The blood treatment unit according to claim 16, wherein the mode touch screen areas are configured as a cell at one edge of the touch screen, and a remaining area of the touch screen includes at least one of output touch screen areas and input touch screen areas associated with the blood treatment.

18. (New) The blood treatment unit according to claim 16, wherein the touch screen area for the blood treatment preparation mode includes a touch screen area for each of a blood system mode and a preparation mode, and the touch screen area for the blood post-preparation mode includes a touch screen area for each of a re-infusion mode and a purification mode.